

Storm Data and Unusual Weather Phenomena

December 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
INDIANA, Northeast									
Elkhart County Simonton Lake	06	1330EST			0	0	5K		Thunderstorm Wind
									DOZENS OF TREES UPROOTED ACROSS NORTHERN OSOLO TOWNSHIP.
Elkhart County Simonton Lake	06	2050EST 2105EST			0	0	10K		Thunderstorm Wind
									TREES FELL ON ELECTRICAL LINES CAUSING POWER OUTAGES.
Cass County Logansport	06	2130EST 2135EST			0	0	100K		Thunderstorm Wind
									STRONG WINDS CAUSED PART OF THE THIRD STORY OF THE TOTAL DISCOUNT STORE IN LOGANSPORT TO COLLAPSE. THE SOUTHWEST CORNER OF THE BUILDING FELL ONTO HAP'S DOWNTOWNER, A RESTAURANT LOCATED NEXT DOOR. ELECTRICAL POWER POLES WERE BROKEN, CAUSING POWER OUTAGES. NUMEROUS TREE LIMBS WERE ALSO KNOCKED DOWN, RESULTING IN DAMAGE TO TWO AUTOMOBILES. TO THE SOUTHEAST OF LOGANSPORT, IN WALTON, A GRAIN BIN WAS APPARENTLY BLOWN OVER BY THE WIND.
Miami County Peru	06	2145EST 2150EST			0	0	10K		Thunderstorm Wind
									POWER OUTAGES CAUSED BY HIGH WINDS KNOCKING TREE BRANCHES ONTO WIRES.
Miami County Peru	06	2145EST 2150EST			0	0	20K		Thunderstorm Wind
									WIND DESTROYED ONE MOBILE HOME AND DAMAGED ANOTHER.
Miami County (Gus)Grissom Afb Per to Chili	06	2150EST 2200EST			0	0	50K		Thunderstorm Wind (G71)
									ROOF TORN OFF UAP/RICHTER WAREHOUSE. OTHER BUILDINGS IN PERU DAMAGED.
Whitley County Coesse	06	2200EST			0	0	10K		Thunderstorm Wind (G57)
									TOOL SHED ROOF TORN OFF
Grant County Marion	06	2203EST			0	1	10K		Thunderstorm Wind
									AUTOMOBILE SIGNIFICANTLY DAMAGED WHEN PART OF A TREE FELL ACROSS IT.
Adams County Decatur	06	2235EST 2240EST			0	0	30K		Thunderstorm Wind
									GARAGE DESTROYED. EIGHT AMERICAN ELECTRIC POWER POLES WERE KNOCKED DOWN.
Elkhart County Elkhart	06	2100EST			0	0	0		Thunderstorm Wind
									SEVERAL TREES BLOWN DOWN.
Miami County Bunker Hill	06	2145EST			0	0	10K		Thunderstorm Wind
									SEVERAL TREES BLOWN DOWN. ONE BARN LOST A THIRD OF ITS ROOF.
Whitley County Columbia City	06	2211EST			0	0	50K		Thunderstorm Wind
									NUMEROUS TREES BLOWN DOWN. ONE BARN COMPLETELY LOST ITS ROOF.
Wabash County Wabash	06	2213EST			0	0	20K		Thunderstorm Wind
									SEVERAL TREES...POWER POLES AND LINES WERE BLOWN DOWN IN TOWN.
Huntington County Huntington	06	2215EST			0	0	10K		Thunderstorm Wind
									SEVERAL TREES WERE UPROOTED OR SNAPPED IN TOWN.

Storm Data and Unusual Weather Phenomena

December 1998

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

INDIANA, Northeast

De Kalb County

Auburn **06** **2220EST** **0** **0** **0** **Thunderstorm Wind**
LOTS OF TREE LIMBS WERE BLOWN DOWN.

Wells County

Bluffton **06** **2225EST** **0** **0** **10K** **Thunderstorm Wind**
MANY TREES AND POWER LINES WERE BLOWN DOWN.

Adams County

2 S Williams to Williams **06** **2245EST** **0** **0** **10K** **Thunderstorm Wind**
SEVERAL POWER POLES WERE SNAPPED.

MICHIGAN, Extreme Southwest

Branch County

Coldwater **06** **2200EST** **0** **0** **0** **Thunderstorm Wind**
SEVERAL TREES WERE BLOWN DOWN.

OHIO, Northwest

Paulding County

Paulding **06** **2245EST** **0** **0** **50K** **Thunderstorm Wind**
NUMEROUS TREES AND POWER LINES BLOWN DOWN. ONE HOUSE HAD ITS ROOF BLOWN OFF.

Defiance County

3 E Defiance **06** **2300EST** **0** **0** **30K** **Thunderstorm Wind**
BARN ROOF BLOWN OFF AND BOAT WAS KNOCKED OVER BY THE STRONG WINDS.

Williams County

Bryan **06** **2300EST** **0** **0** **0** **Thunderstorm Wind**
MANY TREES AND LIMBS BLOWN DOWN.

Fulton County

Wauseon **06** **2315EST** **0** **0** **10K** **Thunderstorm Wind**
TREES AND POWER LINES WERE BLOWN DOWN.

Putnam County

Ottawa **06** **2320EST** **0** **0** **10K** **Thunderstorm Wind**
TREES AND POWER LINES WERE BLOWN DOWN ACROSS THE TOWN.

Synoptic and mesoscale conditions for December 6th...

A strong upper level disturbance ejecting out of the desert southwest early on the 6th combined with 130 knot jet stream, induced surface low pressure across western Kansas which rapidly deepened throughout the day as it moved northeastward into the southern great lakes that evening. Mid level winds were in excess of 100 knots at 500 millibars. Instability was quite limited with surface based lifted indices only around zero. However an impressive dry punch accompanied the cold front where convergence was quite strong and combined with dewpoints near 60 degrees... a line of low topped storms developed by mid evening across northern Indiana and southern Michigan and marched eastward into Ohio later in the evening. Wind gusts associated with this line of storms were estimated to be as much as 100 mph which caused extensive damage to trees, power lines and structures across many counties.